

AMSAT News Service Weekly Bulletins

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AMSAT NEWS SERVICE

ANS-297

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on <http://www.amsat.org> publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see:  
<https://mailman.amsat.org/postorius/lists/ans.amsat.org/>

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ANS-297 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS

From: Radio Amateur Satellite Corporation

712 H Street NE, Suite 1653

Washington, DC 20002

DATE 2021 Oct 24

Virtual AMSAT Dr. Tom Clark, K3IO, Memorial Space Symposium and Annual General Meeting – October 30, 2021

Due to the lingering effects of the COVID-19 pandemic, AMSAT has changed plans for its 39th Annual Symposium and General Meeting from an in-person event to a virtual event. Additionally, the event has been renamed in honor of Dr. Tom Clark, K3IO (SK), Director Emeritus and President Emeritus of AMSAT and Amateur Radio satellite pioneer. Clark died on September 28th. He was 82.

This is a chance for "Amateur Radio in Space" enthusiasts from all corners of the globe to learn more about AMSAT's Strategic Plan, GOLF program, CubeSat Simulator and other exciting developments taking place in the amateur satellite world.

AMSAT will host its 2021 AMSAT Virtual Space Symposium and Annual General

Meeting on Zoom for its members on Saturday, October 30th from 9:00am CDT – 5:00pm CDT (UTC-5). The event will be a combination of pre-recorded video segments along with live question and answer sessions.

Registration for members is required and is available on AMSAT's Member Portal, [launch.amsat.org](https://launch.amsat.org). Registration is free and registered attendees will receive a digital copy of the AMSAT Symposium Proceedings, entered into the Symposium prize drawings, and be able to participate in discussions during each question and answer session.

The 2021 AMSAT Dr. Tom Clark K3IO Memorial Space Symposium and Annual General Meeting will be available to the general public on AMSAT's YouTube channel, <https://youtu.be/RTvcceM7Tz0> at no cost.

#### Tentative Schedule

9:00am CDT – Opening Remarks  
9:15am CDT – 1:00 pm CDT – General Presentations  
1:00pm CDT - 2:00 pm CDT - ARISS Update  
2:00pm CDT – 3:00 pm CDT – AMSAT Education / CubeSat Simulator  
3:00pm CDT – 4:00 pm CDT – AMSAT Engineering  
4:00pm CDT – 5:00 pm CDT – 2021 AMSAT Annual General Meeting

Questions regarding the Symposium can be directed to [info@amsat.org](mailto:info@amsat.org).

[ANS thanks the Symposium organizers for the above information]

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Join the 2021 President's Club!  
Score your 2" 4-Color Accent Commemorative Coin.  
This gold finished coin comes with  
Full Color Certificate and Embroidered "Remove Before Flight" Key Tag  
Donate today at  
<https://www.amsat.org/join-the-amsat-presidents-club/>  
You won't want to miss it!  
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#### AMSAT-UK International Space Colloquium - October 24, 2021

The AMSAT-UK International Space Colloquium will be held as an online Zoom Webinar on Sunday the 24th October 2021. You don't have to be a member of AMSAT-UK to attend, and the event is free.

The Colloquium will run from 10.45 BST to approximately 16.00 BST (0945-1500 GMT). A full programme of the event is available at [programme-for-amsatuk-20211014](https://www.amsat.org/programme-for-amsatuk-20211014)

This year's colloquium will be in the form of a Zoom Webinar. It's easy to use, simply register at the address below, and follow the instructions which will arrive by email.

Please register before the 24th , or join live at <https://tinyurl.com/AMSATUK2021Colloquium>

The 2021 colloquium will also be streamed via YouTube. Our channel is at <https://www.youtube.com/user/AMSATUK>

The event will be hosted by members of AMSAT-UK and formally opened by our Chairman, Martin Sweeting, G3YJO.

Each presentation will be followed by a 5 minute Q+A session, which will allow those viewing via Zoom, to pose questions to the speakers.

The 2021 colloquium will be followed by the AMSAT-UK AGM and after a short

break there will be an informal evening discussion session on 'All things satellite.'

[ANS thanks AMSAT-UK for the above information]

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Need new satellite antennas? Purchase Arrows, Alaskan Arrows,  
and M2 LEO-Packs from the AMSAT Store. When you purchase through  
AMSAT, a portion of the proceeds goes towards  
Keeping Amateur Radio in Space.  
<https://amsat.org/product-category/hardware/>

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#### ASRTU-1 With V/u FM Transponder Submitted for IARU Coordination

The Harbin Institute of Technology has applied for IARU Coordination of ASRTU-1. Among other capabilities, the satellite will provide a V/u FM Transponder.

ASRTU-1 is a 12U Cubesat mission designed by Russian and Chinese university students for education and amateur radio. The amateur radio station onboard ASRTU-1 will provide telecommand uplink and telemetry / digital image downlink. Harbin Institute of Technology has successfully developed several amateur radio satellites, including LilacSat-2 (CAS-3H), LilacSat-1 (LO-90), DSLWP-A (LO-93) and DSLWP-B (LO-94). A new SDR based transceiver was developed for ASRTU-1 to provide communication and experiment resources to radio amateurs, including a V/u FM transponder, a UHF telemetry downlink and a 10.5G image downlink. The satellite will also provide an open telecommand to allow radio amateurs to send commands to control the satellite to take and download images. Proposing 9k6 BPSK telemetry and NBFM repeater downlinks on UHF and 1 Mbps/10mbps QSPK downlink on X Band for image downloads. The repeater uplink will be on VHF using a 67Hz PL. Planning a Roscosmos launch from Vostochny in Q4 2022 into a 530km SS0.

[ANS thanks the IARU for the above information]

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AMSAT's GOLF Program is about getting back to higher orbits, and it all begins with GOLF-TEE – a technology demonstrator for deployable solar panels, propulsion, and attitude control, now manifested for launch on NASA's ELaNa 46 mission. Come along for the ride. The journey will be worth it!

<https://tinyurl.com/ANS-GOLF>

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#### ARISS News

Tarwater Elementary School, Chandler, AZ, multi-point telebridge via W7MRF

The ISS callsign is presently scheduled to be NA1SS  
The downlink frequency is presently scheduled to be 145.800 MHz  
The scheduled astronaut is Shane Kimbrough KE5HOD  
Contact is go for: Thu 2021-10-28 17:44:11 UTC 76 deg

Watch for livestream at:  
[https://www.youtube.com/channel/UCPil0dNyB3F9NG8F8TTK\\_Bw](https://www.youtube.com/channel/UCPil0dNyB3F9NG8F8TTK_Bw) (\*\*\*)

The next mode change is expected to occur at the end of October.

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Want to fly the colors on your own grid expedition?  
Get your AMSAT car flag and other neat stuff  
from our Zazzle store!  
25% of the purchase price of each product goes  
towards Keeping Amateur Radio in Space  
[https://www.zazzle.com/amsat\\_gear](https://www.zazzle.com/amsat_gear)

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#### Satellite Shorts From All Over

+ On October 10th, F4DXV and A65GC set a new distance record on P0-101 -  
completing a 5,256 km QSO between JN04or70cl in France and LL74el99hm in  
Abu Dhabi at 12:21 UTC. <https://www.amsat.org/satellite-distance-records/>

+ UVSQ-SAT's FM transponder will be active from 1200 UTC to 2300 UTC on  
Sunday, October 24th. The uplink is 145.905 MHz and the downlink is 437.020  
MHz. Log QSOs to LoTW using "UVSQ"

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Join AMSAT today at <https://launch.amsat.org/>

In addition to regular membership, AMSAT offers membership to:

- \* Societies (a recognized group, clubs or organization).
- \* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
- \* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
- \* Memberships are available for annual and lifetime terms.

Contact info [at] [amsat.org](https://amsat.org) for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM  
n8hm at [amsat dot org](https://amsat.org)